L Number	Hits	Search Text	DB	Time stamp
1	0	('514/183,,243,63,408,416,417").CCLS	USPAT	2004/03/12 12:05
2	3709	("514/183,13,243").CCLS	USPAT	2004/03/12 12:06
3	1287	("514/408,416,417").CCLS	USPAT	2004/03/12 12:06
4	704	("548/452,470,472").CCLS	USPAT	2004/03/12 12:07
5	86	(("514/183,13,243").CCLS) and (("514/408,416,417").CCLS)	USPAT	2004/03/12 12:10
6	9	(("548/452,470,472").CCLS) and ((("514/183,13,243").CCLS) and (("514/408,416,417").CCLS))	USPAT	2004/03/12 12:07
7	9	(("514/183,13,243").CCLS) and (("514/408,416,417").CCLS) and (("548/452,470,472").CCLS) and ((("514/183,13,243").CCLS) and (("514/408,416,417").CCLS))	USPAT	2004/03/12 12:07
8	11	(("514/183,13,243").CCLS) and (("514/408,416,417").CCLS) and respiratory	USPAT	2004/03/12 12:10

Welcome to STN International! Enter x:x

LOGINID:ssspta1611sxp

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	SEP 09	CA/CAplus records now contain indexing from 1907 to the present
NEWS 4	DEC 08	INPADOC: Legal Status data reloaded
NEWS 5	SEP 29	DISSABS now available on STN
NEWS 6	OCT 10	PCTFULL: Two new display fields added
NEWS 7	OCT 21	BIOSIS file reloaded and enhanced
NEWS 8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9	NOV 24	MSDS-CCOHS file reloaded
NEWS 10	DEC 08	CABA reloaded with left truncation
NEWS 11	DEC 08	IMS file names changed
NEWS 12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS 13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 14	DEC 17	DGENE: Two new display fields added
NEWS 15	DEC 18	BIOTECHNO no longer updated
NEWS 16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS 17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19	DEC 22	ABI-INFORM now available on STN
NEWS 20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 22	FEB 05	German (DE) application and patent publication number format changes
NEWS 23	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS 24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS 25	MAR 03	FRANCEPAT now available on STN

NEWS EXPRESS	MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

Patel <3/12/2004>

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:33:14 ON 12 MAR 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:33:47 ON 12 MAR 2004

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 MAR 2004 HIGHEST RN 661450-61-9
DICTIONARY FILE UPDATES: 10 MAR 2004 HIGHEST RN 661450-61-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

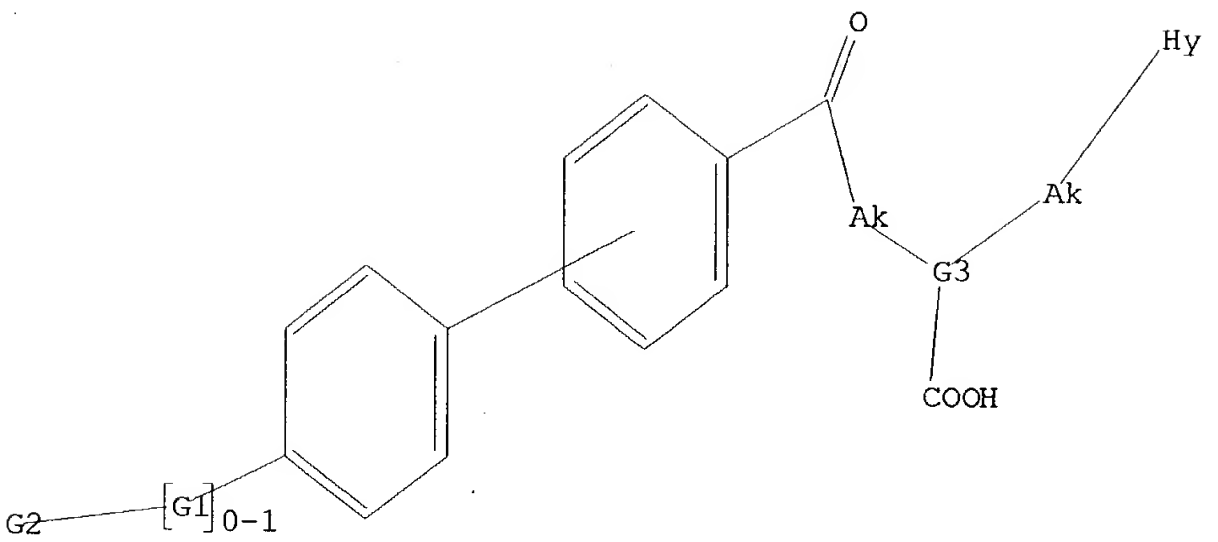
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading c:\program files\stnexp\queries\09869668.1

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

Patel <3/12/2004>



G1 O,OH,MeO,EtO,n-PrO,i-PrO,n-BuO,i-BuO,s-BuO,t-BuO,X

G2 CF3,C(O)CH3

G3 CH,Cb

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 10:34:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 17055 TO ITERATE

5.9% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 333286 TO 348914
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 10:34:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 343745 TO ITERATE

100.0% PROCESSED 343745 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.11

L3 2 SEA SSS FUL L1

=> file marpat
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.84	156.05

FILE 'MARPAT' ENTERED AT 10:34:49 ON 12 MAR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Patel <3/12/2004>

FILE CONTENT: 1988-PRESENT (VOL 140 ISS 10)(20040307/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6683216 27 JAN 2004
DE 10317487 12 FEB 2004
EP 1388563 11 FEB 2004
JP 2004047131 12 FEB 2004
WO 2004011964 05 FEB 2004

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> s l1 sss full
FULL SEARCH INITIATED 10:35:18 FILE 'MARPAT'
FULL SCREEN SEARCH COMPLETED - 70092 TO ITERATE

8.3%	PROCESSED	5836	ITERATIONS	(1	INCOMPLETE)	1 ANSWERS
11.9%	PROCESSED	8339	ITERATIONS	(3	INCOMPLETE)	3 ANSWERS
21.7%	PROCESSED	15225	ITERATIONS	(6	INCOMPLETE)	8 ANSWERS
28.0%	PROCESSED	19632	ITERATIONS	(14	INCOMPLETE)	16 ANSWERS
33.8%	PROCESSED	23702	ITERATIONS	(22	INCOMPLETE)	24 ANSWERS
40.8%	PROCESSED	28566	ITERATIONS	(36	INCOMPLETE)	39 ANSWERS
47.1%	PROCESSED	33045	ITERATIONS	(44	INCOMPLETE)	47 ANSWERS
54.2%	PROCESSED	37970	ITERATIONS	(55	INCOMPLETE)	58 ANSWERS
59.4%	PROCESSED	41651	ITERATIONS	(62	INCOMPLETE)	65 ANSWERS
65.4%	PROCESSED	45833	ITERATIONS	(73	INCOMPLETE)	76 ANSWERS
70.4%	PROCESSED	49356	ITERATIONS	(81	INCOMPLETE)	84 ANSWERS
75.2%	PROCESSED	52680	ITERATIONS	(95	INCOMPLETE)	98 ANSWERS
79.1%	PROCESSED	55444	ITERATIONS	(106	INCOMPLETE)	109 ANSWERS
81.5%	PROCESSED	57097	ITERATIONS	(111	INCOMPLETE)	114 ANSWERS
82.6%	PROCESSED	57914	ITERATIONS	(115	INCOMPLETE)	118 ANSWERS
84.1%	PROCESSED	58954	ITERATIONS	(122	INCOMPLETE)	125 ANSWERS
85.0%	PROCESSED	59580	ITERATIONS	(122	INCOMPLETE)	125 ANSWERS
85.4%	PROCESSED	59879	ITERATIONS	(123	INCOMPLETE)	126 ANSWERS
85.6%	PROCESSED	60000	ITERATIONS	(123	INCOMPLETE)	126 ANSWERS

```
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.05.13

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        70092 TO    70092
PROJECTED ANSWERS:             126 TO      183

L4          126 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   113.20     269.25

FILE 'CAPLUS' ENTERED AT 10:40:39 ON 12 MAR 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
```



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FILE COVERS 1907 - 12 Mar 2004  VOL 140 ISS 12
FILE LAST UPDATED: 11 Mar 2004  (20040311/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> d his

     (FILE 'HOME' ENTERED AT 10:33:14 ON 12 MAR 2004)

     FILE 'REGISTRY' ENTERED AT 10:33:47 ON 12 MAR 2004
L1              STRUCTURE UPLOADED
L2            0 S L1
L3            2 S L1 SSS FULL

     FILE 'MARPAT' ENTERED AT 10:34:49 ON 12 MAR 2004
L4          126 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:40:39 ON 12 MAR 2004

=> d l3 fbib hitstr abs total
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y


'FBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'


Patel                                          <3/12/2004>
```

'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'ABS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

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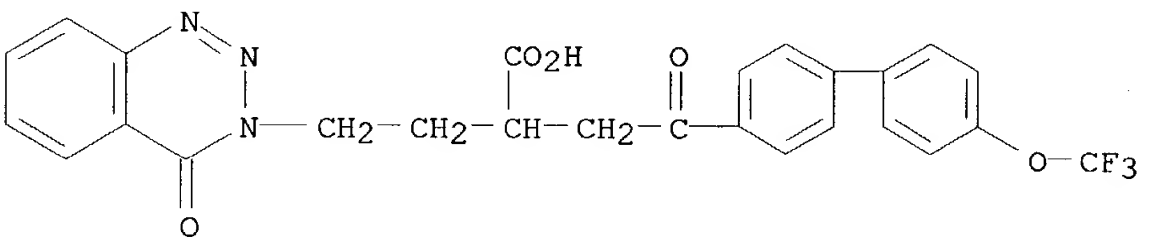
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):ide

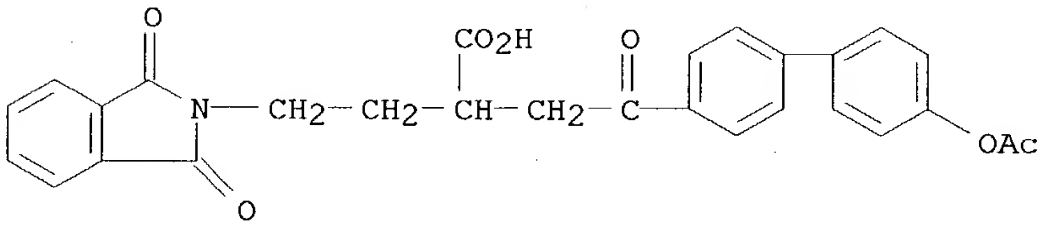
L3 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 282095-40-3 REGISTRY
CN 1,2,3-Benzotriazine-3(4H)-butanoic acid, 4-oxo-α-[2-oxo-2-[4'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl]ethyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C26 H20 F3 N3 O5
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 282095-22-1 REGISTRY
CN 2H-Isoindole-2-butanoic acid, α-[2-[4'-(acetyloxy)[1,1'-biphenyl]-4-yl]-2-oxoethyl]-1,3-dihydro-1,3-dioxo- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C28 H23 N O7
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.44	274.09

Patel <3/12/2004>

FILE 'CAOLD' ENTERED AT 10:41:42 ON 12 MAR 2004

FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s l1 sss full
REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 10:41:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 343745 TO ITERATE

100.0% PROCESSED 343745 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.13

L5 2 SEA SSS FUL L1

L6 0 L5

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	430.35

FILE 'CAPLUS' ENTERED AT 10:42:11 ON 12 MAR 2004

FILE COVERS 1907 - 12 Mar 2004 VOL 140 ISS 12
FILE LAST UPDATED: 11 Mar 2004 (20040311/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L7 2 L3

=> s l4
L8 126 L4

=> d l7 fbib hitstr abs total

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:247168 CAPLUS
DN 134:266035
TI Use of substituted 4-biarylbutyric and 5-biarylpentanoic acid derivatives for the treatment of multiple sclerosis
IN Fahrig, Thomas; Haning, Helmut; Riedl, Bernd; Braeunlich, Gabriele; Henning, Rolf
PA Bayer Aktiengesellschaft, Germany
SO PCT Int. Appl., 116 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

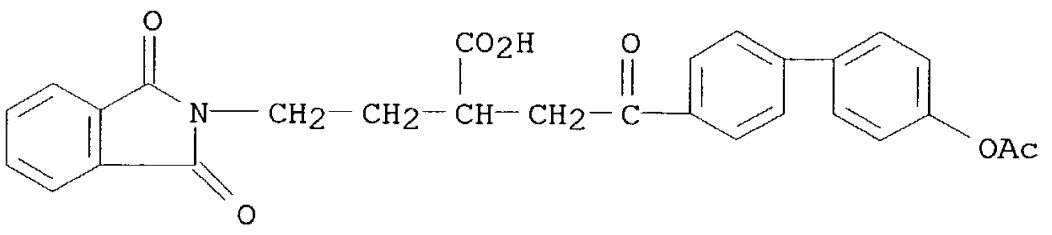
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001022951	A2	20010405	WO 2000-EP8890	20000912
	WO 2001022951	A3	20011011		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				GB 1999-22710	A 19990924
	EP 1217994	A2	20020703	EP 2000-965974	20000912
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, IE, SI, LT, LV, FI, RO, MK, CY, AL				
				GB 1999-22710	A 19990924
				WO 2000-EP8890	W 20000912
	JP 2003510272	T2	20030318	JP 2001-526163	20000912
				GB 1999-22710	A 19990924
				WO 2000-EP8890	W 20000912

OS MARPAT 134:266035
IT **282095-22-1P 282095-40-3P**

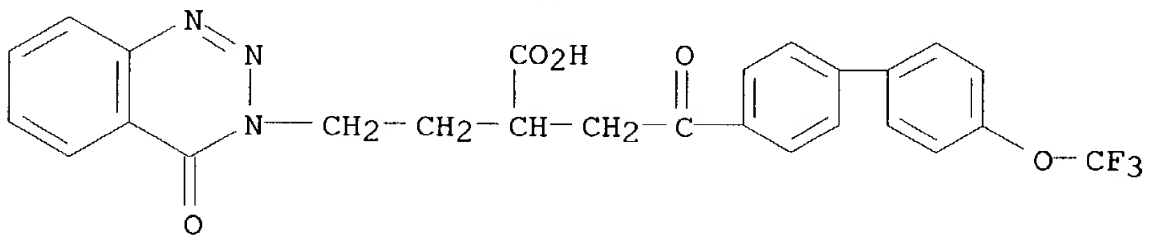
Patel <3/12/2004>

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 4-biarylbutyric and 5-biarylpentanoic acid derivs. for the treatment of multiple sclerosis)

RN 282095-22-1 CAPLUS
CN 2H-Isoindole-2-butanoic acid, α-[2-[4'-(acetyloxy)[1,1'-biphenyl]-4-yl]-2-oxoethyl]-1,3-dihydro-1,3-dioxo- (9CI) (CA INDEX NAME)



RN 282095-40-3 CAPLUS
CN 1,2,3-Benzotriazine-3(4H)-butanoic acid, 4-oxo-α-[2-oxo-2-[4'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl]ethyl]- (9CI) (CA INDEX NAME)



AB The title compds. (T)xA-B-D-E-CO2H [I, A = aryl, heteroaryl; B = aryl, heteroaryl, bond; each T is a substituent group; x = 0, 1, or 2; D = CO, CH(OH); E = two or three carbon chain bearing one to three substituent groups which are independent or are involved in ring formation], useful for the treatment of multiple sclerosis, were prepared E.g., (rac)-2-[2-(1,3-dioxo-1,3-dihydro-2H-isoindol-2-yl)ethyl]-4-(4'-ethoxy[1,1'-biphenyl]-4-yl)-4-oxobutanoic acid was prepared Inhibitory activities of I against matrix metalloproteases was determined

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:475626 CAPLUS
DN 133:89429
TI Preparation of 4-aryl-4-oxo-2-(2-phthalimidoethyl)butanoates and analogs as matrix metalloprotease inhibitors
IN Fitzgerald, Mary F.; Gardiner, Philip J.; Nash, Kevin; Sturton, Graham; Benz, Gunter; Henning, Rolf; Schlemmer, Karl-Heinz; Riedl, Bernd; Haning, Helmut
PA Bayer Aktiengesellschaft, Germany
SO PCT Int. Appl., 146 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI WO 2000040539 A1 20000713 WO 1999-EP10110 19991220
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
GB 1998-28845 A 19981230
GB 1999-22709 A 19990924

CA 2356053 AA 20000713 CA 1999-2356053 19991220
GB 1998-28845 A 19981230
GB 1999-22709 A 19990924
WO 1999-EP10110W 19991220

EP 1140768 A1 20011010 EP 1999-963582 19991220
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GB 1998-28845 A 19981230
GB 1999-22709 A 19990924
WO 1999-EP10110W 19991220

BR 9916669 A 20011016 BR 1999-16669 19991220
GB 1998-28845 A 19981230
GB 1999-22709 A 19990924
WO 1999-EP10110W 19991220

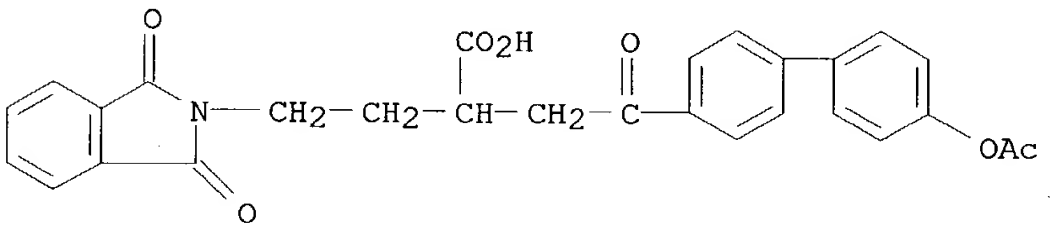
JP 2002534404 T2 20021015 JP 2000-592250 19991220
GB 1998-28845 A 19981230
GB 1999-22709 A 19990924
WO 1999-EP10110W 19991220

ZA 2001004651 A 20020607 ZA 2001-4651 20010607
GB 1998-28845 A 19981230

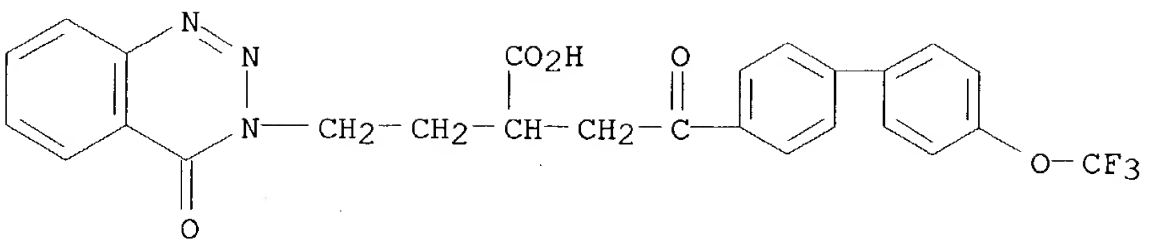
OS MARPAT 133:89429

IT **282095-22-1P 282095-40-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 4-aryl-4-oxo-2-(2-phthalimidoethyl)butanoates and analogs as matrix metalloprotease inhibitors)

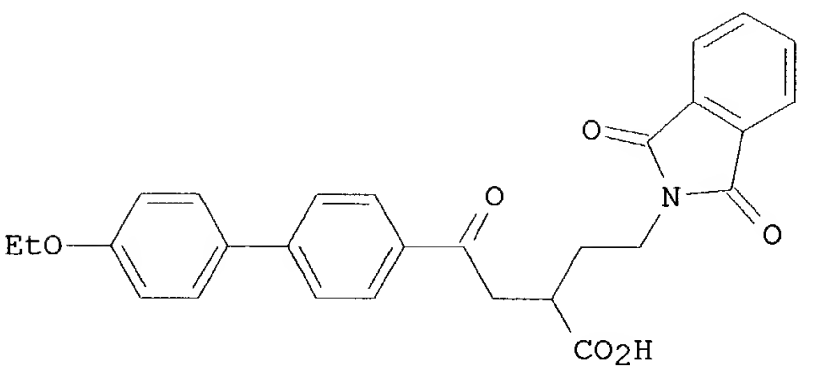
RN 282095-22-1 CAPLUS
CN 2H-Isoindole-2-butanoic acid, α-[2-[4'-(acetyloxy)[1,1'-biphenyl]-4-yl]-2-oxoethyl]-1,3-dihydro-1,3-dioxo- (9CI) (CA INDEX NAME)



RN 282095-40-3 CAPLUS
CN 1,2,3-Benzotriazine-3(4H)-butanoic acid, 4-oxo-α-[2-oxo-2-[4'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl]ethyl]- (9CI) (CA INDEX NAME)



GI



II

AB RZZ1Z2CO2H [I; R = (un)substituted Ph or -heteroaryl; Z = bond, (un)substituted 1,4-phenylene, -heteroarylene; Z1 = CO, CH(OH), C(:NOH), etc.; Z2 = substituted (CH2)2-3] were prepared Thus, di-tert-Bu 2-(2-phthalimidoethyl)malonate was condensed with 4-(EtO)C6H4C6H4(COCH2Br)-4 (preparation each given) and the saponified product mono-decarboxylated to give
title compound II. Data for biol. activity of I were given.
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 10:33:14 ON 12 MAR 2004)

FILE 'REGISTRY' ENTERED AT 10:33:47 ON 12 MAR 2004
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 2 S L1 SSS FULL

FILE 'MARPAT' ENTERED AT 10:34:49 ON 12 MAR 2004
L4 126 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 10:40:39 ON 12 MAR 2004

FILE 'REGISTRY' ENTERED AT 10:41:17 ON 12 MAR 2004

FILE 'CAPLUS' ENTERED AT 10:41:24 ON 12 MAR 2004

FILE 'CAOLD' ENTERED AT 10:41:42 ON 12 MAR 2004
S L1

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     FILE 'REGISTRY' ENTERED AT 10:41:51 ON 12 MAR 2004
L5             2 S L1 SSS FULL

     FILE 'CAOLD' ENTERED AT 10:42:04 ON 12 MAR 2004
L6             0 S L5 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:42:11 ON 12 MAR 2004
L7             2 S L3
L8           126 S L4

=> s respiratory disease and 1,1'-buphenyl
MISMATCHED QUOTE '1,1'-BUPHENYL'
Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s respiratory disease and phenyl
L9            48 RESPIRATORY DISEASE AND PHENYL

=> s respiratory disease and 1,1'-biphenyl
MISMATCHED QUOTE '1,1'-BIPHENYL'
Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s respiratory disease and biphenyl
L10            8 RESPIRATORY DISEASE AND BIPHENYL

=> s l7 and l8
L11            2 L7 AND L8

=> s l8 and respiratory diseases
L12            0 L8 AND RESPIRATORY DISEASES

=> s l9 and l10
L13            4 L9 AND L10

=> s l8 and l13
L14            0 L8 AND L13

=> s l8 and l10
L15            0 L8 AND L10

=> d l13 fbib hitstr abs total

L13  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   2003:242154  CAPLUS
DN   138:254964
TI   Preparation of 4-(2-amino-1-hydroxyethyl)-2-(hydroxymethyl)phenols as
     selective β2-adrenoreceptor agonists for treatment of
     respiratory diseases
IN   Box, Philip Charles; Coe, Diane Mary; Looker, Brian Edgar; Procopiou,
     Panayiotis Alexandrou
PA   Glaxo Group Limited, UK
SO   PCT Int. Appl., 117 pp.
     CODEN: PIXXD2
DT   Patent
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LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003024439	A1	20030327	WO 2002-GB4140	20020911

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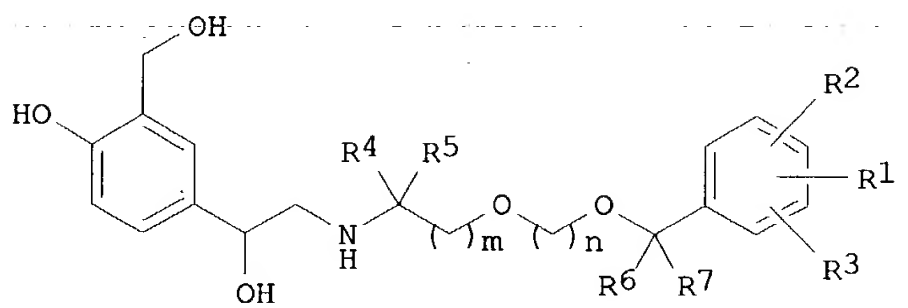
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

GB 2001-22201 A 20010914
GB 2001-26997 A 20011109

OS MARPAT 138:254964
GI



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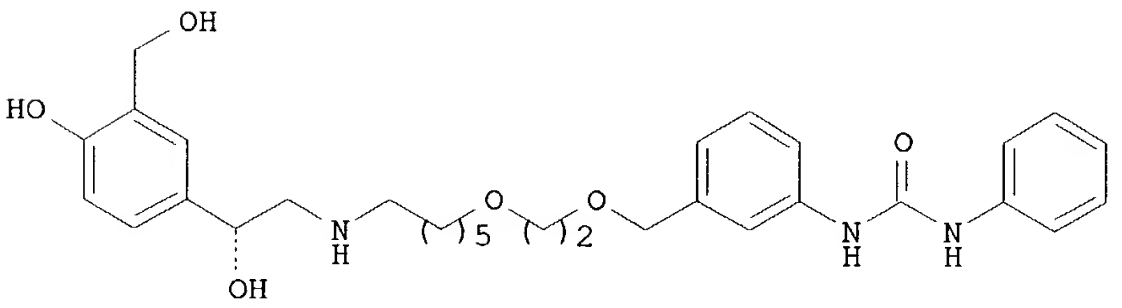

II

AB Title phenethanolamines I [wherein m = 2-8, n = 2-5; and m + n = 4-10; R1 = H, (halo)alkyl, OH, halo, XCONR9R10, XNR8COR9, XNR8CONR9R10, XNR8SO2R9, XSO2NR11R12, XNR8SO2NR9R10, XNR9R10, XN+R8R9R10, XNR8CO2R9, XCO2R9, XNR8CONR8CONR9R10, XSR9, XSOR9, XSO2R9, or (un)substituted X-(hetero)aryl, or X-aryloxy; R2 and R3 = independently H, OH, (halo)alkyl, (halo)alkoxy, halo, or aryl(alkyl); R4 and R5 = independently H or alkyl with the proviso that the total number of C atoms in R4 and R5 ≤ 4; R6 and R7 = independently H or alkyl with the proviso that the total number of C atoms in R6 and R7 ≤ 4; X = (CH2)p or alkenylene; p = 0-6; R8 and R9 = independently H, or (un)substituted (cyclo)alkyl, (hetero)aryl, or (hetero)arylalkyl; R10 = H or (cyclo)alkyl; R11 and R12 = independently H, (cyclo)alkyl, (hetero)aryl, or (hetero)arylalkyl; or NR11R12 = (un)substituted heterocyclyl; with addnl. provisos; or salts, solvates, or

physiol. functional derivs. thereof] were prepared as selective stimulants of β2-adrenoceptors. For example, coupling of (5R)-5-(2,2-dimethyl-4H-1,3-benzodioxin-6-yl)-1,3-oxazolidin-2-one with [2-[(6-bromohexyl)oxy]ethoxy](tert-butyl)dimethylsilane using NaH in DMF (preparation of starting materials given), deprotection of the alc. with Bu4NF in THF, etherification with 3-nitrobenzyl bromide in DMF in the presence of NaH, and hydrogenation over platinum oxide afforded (5R)-3-[6-[2-[(3-aminobenzyl)oxy]ethoxy]hexyl]-5-(2,2-dimethyl-4H-1,3-benzodioxin-6-yl)-1,3-oxazolidin-2-one. Reaction of the amine with PhNCO in i-PrOH to give the urea, ring opening using Me3SiOK in THF, and hydrolysis with AcOH and H2O provided (R)-II•AcOH. The latter exhibited β2-adrenoreceptor agonist activity with IC50 values < 1 μM and showed five fold selectivity for the β2- over β3-adrenoceptors. Elec.- or spasmogen-induced contractions in human or guinea pig airway tissue were typically suppressed by preferred compds. of the invention in < 30 min and maintained for > 3 h. Thus, I are useful for the prophylaxis and treatment of **respiratory diseases**.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:658074 CAPLUS
DN 137:201142
TI Preparation of 2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)**phenyl**]ethanamine derivatives as β2-adrenoreceptor agonists for treatment of **respiratory diseases**
IN Biggadike, Keith; Coe, Diane Mary; Edney, Dean David; Halton, Abigail; Looker, Brian Edgar; Monteith, Michael John; Moore, Rebecca Jane; Patel, Rajnikant; Procopiou, Panayiotis Alexandrou
PA Glaxo Group Limited, UK
SO PCT Int. Appl., 88 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002066422	A1	20020829	WO 2002-EP1387	20020211
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			GB 2001-3630	A 20010214
			GB 2001-26998	A 20011109
EP 1360174	A1	20031112	EP 2002-706735	20020211
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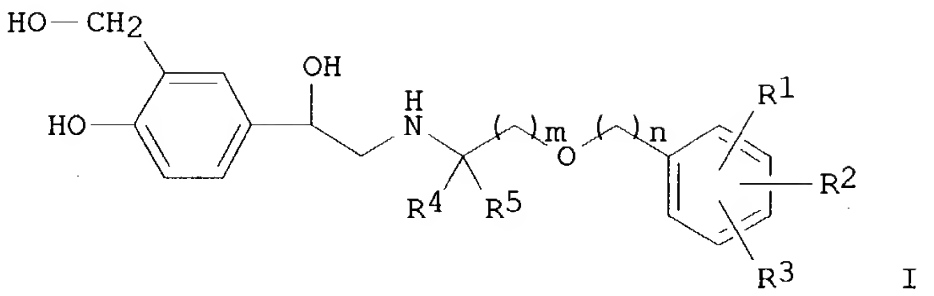
			GB 2001-3630	A 20010214
			GB 2001-26998	A 20011109
			WO 2002-EP1387	W 20020211
NO 2003003594	A	20031002	NO 2003-3594	20030813

Patel <3/12/2004>

GB 2001-3630 A 20010214
GB 2001-26998 A 20011109
WO 2002-EP1387 W 20020211

OS MARPAT 137:201142
GI



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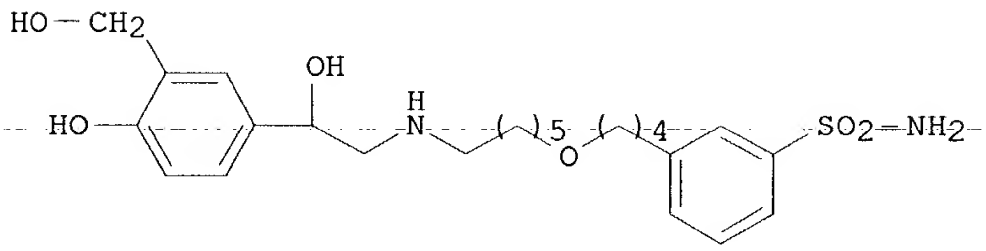

II

AB The title phenethanolamines I [wherein m = 2-8; n = 3-11; with the proviso the m + n = 5-19; R1 = XSO2NR6R7; R2 and R3 = independently H, (halo)alkyl, alkoxy, halo, or Ph; R4 and R5 = independently H or alkyl with the proviso that the total number of C's in R4 and R5 ≤ 4; X = (CH2)p or alkenylene; p = 0-6; R6 and R7 = independently H, CONR8R9, or (un)substituted (cyclo)alkyl, Ph, or phenylalkyl; or NR6R7 = (un)substituted N-containing ring; R8 and R9 = independently H, (cyclo)alkyl, Ph, or phenylalkyl; or salts, solvates, or physiol. functional derivs. thereof] were prepared as β2-adrenoreceptor agonists. For example, (R)-II•AcOH was synthesized in ten steps beginning with the coupling of di-t-Bu iminodicarboxlyate with 2-bromo-1-(2,2-dimethyl-4H-1,3-benzodioxin-6-yl)ethanone in the presence of Cs2CO3 in AcCN. Forty-nine compds. of the invention displayed agonist activity against human β2-adrenoreceptors with IC50 values below 1 μM. Thus, I and pharmaceutical compns. containing them are useful in the prophylaxis and treatment of **respiratory diseases** (no data).

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:391690 CAPLUS
DN 136:386115
TI Substituted 2-phenylaminoimidazoline **phenyl** ketone derivatives as human platelet IP receptor antagonists
IN Jahangir, Alam
PA F. Hoffmann-La Roche Ag, Switz.
SO PCT Int. Appl., 59 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002040453	A1	20020523	WO 2001-EP12776	20011105
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			US 2000-248888PP	20001114
AU 2002021808	A5	20020527	AU 2002-21808	20011105
			US 2000-248888PP	20001114
			WO 2001-EP12776W	20011105
BR 2001015291	A	20030819	BR 2001-15291	20011105
			US 2000-248888PP	20001114
			WO 2001-EP12776W	20011105
EP 1339694	A1	20030903	EP 2001-996531	20011105
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
			US 2000-248888PP	20001114
			WO 2001-EP12776W	20011105
US 6417186	B1	20020709	US 2001-14110	20011113
US 2002091147	A1	20020711		
			US 2000-248888PP	20001114
NO 2003002142	A	20030513	NO 2003-2142	20030513
			US 2000-248888PP	20001114
			WO 2001-EP12776W	20011105

OS MARPAT 136:386115
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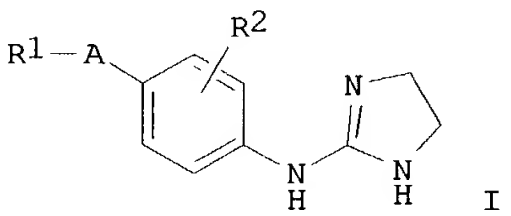

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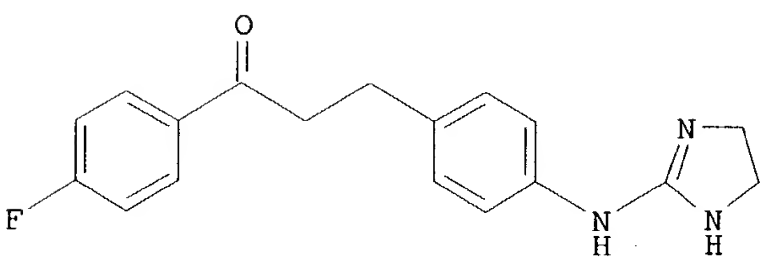

II

Patel <3/12/2004>

AB Title compds. I [] were prepared For instance, 4-fluoroacetophenone and 4-nitrobenzaldehyde were reacted together (EtOHaq, KOH) to give 1-[4-fluorophenyl]-3-[4-nitrophenyl]propenone. This intermediate was reduced (EtOAc, H2-10% Pd/C) and reacted with 2-chloro-4,5-dihydro-1H-imidazole sulfate to give II in 54.2% overall yield. Example compds. had pKi in the range of 7.1 to 9.6 for the human platelet IP receptor; II had pKi = 9.50. I are used for the treatment of diseases associated with pain, inflammation, urinary tract disease states, **respiratory disease** states, edema formation, or hypotensive vascular diseases.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:693269 CAPLUS
DN 135:257467
TI Preparation of N-(arylmethoxycarbonyl)phenylalanine derivatives as IP antagonists
IN Cournoyer, Richard Leo; Keitz, Paul Francis; Lowrie, Lee Edwin, Jr.; Muehldorf, Alexander Victor; O'Yang, Counde; Yasuda, Dennis Mitsugu
PA F. Hoffmann-La Roche A.-G., Switz.
SO PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001068591	A1	20010920	WO 2001-EP2597	20010308
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			US 2000-190129PP	20000316
			US 2000-247129PP	20001110
BR 2001009235	A	20021217	BR 2001-9235	20010308
			US 2000-190129PP	20000316
			US 2000-247129PP	20001110
			WO 2001-EP2597 W	20010308
EP 1265853	A1	20021218	EP 2001-925395	20010308
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			US 2000-190129PP	20000316
			US 2000-247129PP	20001110
			WO 2001-EP2597 W	20010308
JP 2003527368	T2	20030916	JP 2001-567688	20010308
			US 2000-190129PP	20000316
			US 2000-247129PP	20001110
			WO 2001-EP2597 W	20010308
US 2001056100	A1	20011227	US 2001-810436	20010314
US 6693098	B2	20040217		
			US 2000-190129PP	20000316

NO 2002004387	A	20021021	US 2000-247129PP 20001110 NO 2002-4387 20020913 US 2000-190129PP 20000316 US 2000-247129PP 20001110 WO 2001-EP2597 W 20010308
US 2003220367	A1	20031127	US 2003-434809 20030509 US 2000-190129PP 20000316 US 2000-247129PP 20001110 US 2001-810436 A320010314

OS MARPAT 135:257467
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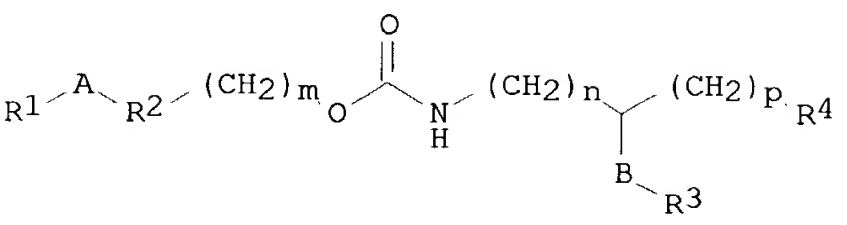

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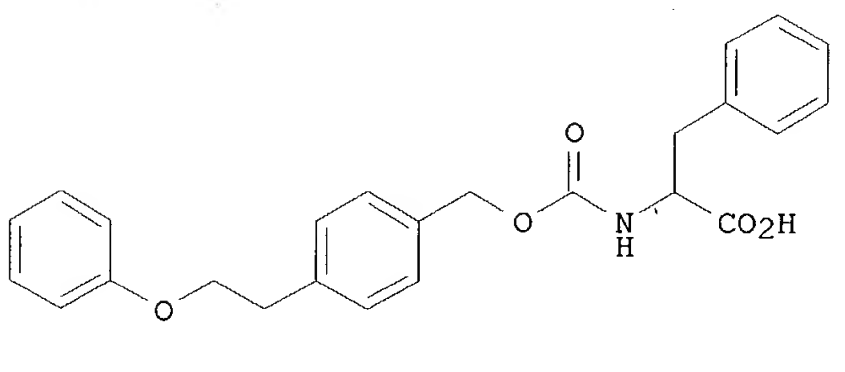

II

AB Title compds. I [wherein R1, R2, and R3 = independently (un)substituted (hetero)aryl; R4 = COOH or tetrazolyl; A = single bond, O(CH2)q, S(CH2)q, NR'(CH2)q, (CH2)qO, O(CH2)qO, (CH2)qO(CH2)q, (CH2)nCO(CH2)q, CONH, (CH2)q, CH:CH, or C.tplbond.C; R' = H or alkyl; B = (CH2)r, CH2O, CH2OCH2, or CH2NH; m, q, and r = independently 1-3; n and p = independently 0-3; or individual isomers, racemic or nonracemic mixts. of isomers, or pharmaceutically acceptable salts or solvates thereof] were prepared as prostaglandin IP receptor antagonists. For example, 4-vinylbenzoic acid was esterified with MeOH (97.4%). The ester was hydroborated with 9-BBN in THF and oxidized with alkaline HOOH to give 4-(2-hydroxyethyl)benzoic acid Me ester (64.7%). Etherification with PhOH in the presence of PPh3 and diEt azodicarboxylate in THF (16.8%), followed by reduction with LiAlH4, condensation with Me (R)-2-isocyanato-3-phenylpropionate, and hydrolysis, afforded II. The latter showed affinity toward the human platelet IP receptor with a Ki value of 6.6. I are useful for the treatment of inflammatory conditions, pain, bladder disorders, hypotensive vascular diseases, and **respiratory diseases**, such as allergies and asthma (no data).

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> d his

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     FILE 'REGISTRY' ENTERED AT 10:33:47 ON 12 MAR 2004
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L3           2 S L1 SSS FULL

     FILE 'MARPAT' ENTERED AT 10:34:49 ON 12 MAR 2004
L4         126 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:40:39 ON 12 MAR 2004

     FILE 'REGISTRY' ENTERED AT 10:41:17 ON 12 MAR 2004

     FILE 'CAPLUS' ENTERED AT 10:41:24 ON 12 MAR 2004

     FILE 'CAOLD' ENTERED AT 10:41:42 ON 12 MAR 2004
               S L1

     FILE 'REGISTRY' ENTERED AT 10:41:51 ON 12 MAR 2004
L5           2 S L1 SSS FULL

     FILE 'CAOLD' ENTERED AT 10:42:04 ON 12 MAR 2004
L6           0 S L5 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:42:11 ON 12 MAR 2004
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L8         126 S L4
L9          48 S RESPIRATORY DISEASE AND PHENYL
L10          8 S RESPIRATORY DISEASE AND BIPHENYL
L11          2 S L7 AND L8
L12          0 S L8 AND RESPIRATORY DISEASES
L13          4 S L9 AND L10
L14          0 S L8 AND L13
L15          0 S L8 AND L10

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=> s l8 and phtahlazine
L19          0 L8 AND PHTAHLAZINE

=> s l8 and asthma
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=> s l8 and ARDS
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=> a l8 and TNF alpha
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=> s l8 and bronchiectasis
L24             0 L8 AND BRONCHIECTASIS

=> s l8 and silicosis
L25             0 L8 AND SILICOSIS

=> s silicosis and bronchiectasis
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=> s l26 and asthma
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=> d his

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     FILE 'CAOLD' ENTERED AT 10:42:04 ON 12 MAR 2004
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     FILE 'CAPLUS' ENTERED AT 10:42:11 ON 12 MAR 2004
L7              2 S L3
L8            126 S L4
L9             48 S RESPIRATORY DISEASE AND PHENYL
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Patel <3/12/2004>